

ROBRIZ, V.T.

I-12

Category : USSR/Radiophysics - Application of radiophysical methods

Abs Jour : Ref Zhur - Fizika, No 1, 1957, No 1971

Author : Troitskiy, V.S., Robrik, V.T.

Title : Radio Telescopes of the Gor'kiy Radio Astronomical Station # "Zimenkii"

Orig Pub : Tr. 5-go soveshchaniya po vopr. kosmogonii, 1955, M., AN SSSR, 1956, 37-79, diskus. 79-80

Abstract : The Gor'kiy radio astronomical station has been operating a radio telescope at 1.5 m since 1949 and radio telescopes at 10 and 3.2 cm since 1950. The 1.5-meter radiotelescope is modulated either by rocking the beam of the directivity pattern, or by switching the receiver input to the equivalent. At a time constant of 3 seconds, the sensitivity reaches 0.6°K relative to the antenna temperature. An in-phase antenna, consisting of 72 vibrators, is used. The radiotelescope is used for systematic observation of radio waves from the sun. The 10-cm radio telescope is modulated by conical rotation of the beam of the antenna directivity pattern. The antenna directive gain is 800. The sensitivity of the radio telescope is 1.8°K relative to the antenna temperature. The main application of this telescope is to investigate radio waves from the sun. The 3.2-cm radio telescope (1952) is modulated with the aid of a waveguide reactance commutator, which switches to input of the receiver from the standard to the measured source. A thermal standard of noise

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Category : USSR/Radiophysics - Application of radiophysical methods

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power is used. At a time constant of 10 seconds, the fluctuation sensitivity threshold is 10^{-16} watts. Measures are employed to eliminate parasitic modulation. The instrument was used for precision measurement of radiation streams from the sun, moon, and "radio stars." The antenna used in the 10-cm radio telescope, developed in 1952, is a parabolic mirror 4 m in diameter. Modulation is with the aid of a reactance waveguide switch, and calibration is against a thermal standard. The parasitic modulation is attenuated by using a long line between the switch and the receiver input. The fluctuation threshold of the apparatus, at a time constant of 10 seconds, is 10°K . Bibliography, 20 titles.

Card 2/2

ROBSMAN, A. S.

Answers to readers' questions. Elek. i topl. tiaga 2 no.3:42 Mr '58.
(MIRA 11:4)

1. Nachal'nik planovogo otdela toplivnogo upravleniya Ministerstva
putey soobshcheniya.
(Electric locomotives) (Diesel locomotives--Fuel consumption)

ROBSMAN, G.I.

Use of metallic packing materials in the food industry of the German
Democratic Republic (from "Die Verpackung," no.2, 1960). Kona.1
ov.prom. 16 no.1:36-38 Ja '61. (MIRA 13:12)
(Germany, East---Food---Packaging)

MURAVIN, Ya.G.; GENEL', S.V.; BAKANOV, S.I.; ROZMAN, G.I.

[Lacquer coatings used in the food industry] Lakokrasochrye pokrytiia v pishchevoi promyshlennosti. Moskva, Tsentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1963. 55 p. (MIRA 17:3)

ROBSMAN, G.I.

Optimum ratio between the diameter and height of a food can
(from "Blech," no.3, 1960). Kons.i ov.prom. 16 no.3:41-42 Mr '61.
(MIFA 14:3)

(Food, Canned) (Containers)

SHOVCHENKO, A.K., kand. biolog. nauk; BENDIKTSKAYA, A.D. ; ROETSER, A.N.

Some problems in the epidemiology of ascariasis and methods of
its liquidation in Kharkov Province. Med. parazit. i parazit. bol.
31 no.6:688-693 N-D '62. (MIRA 17:11)

1. Khar'kovskaya oblastnaya sanitarno-epidemiologicheskaya
stantsiya (glavnyy vrach I.I. Chernov).

ROBTSEK, A. N.; MAL'KO, A. T.

Method of tagging cattle at meat-packing plants and of notifying
sanitary-epidemiological stations on the appearance of cysti-
cercosis. Med. paraz. i paraz. bol. no.6:675-677 '61.
(MIRA 15:6)

1. Iz otdela meditsinskoy parazitologii (zav. A. N. Robtser)
Khar'kovskoy oblastnoy sanitarno-epidemiologicheskoy stantsii
i otdela proizvodstvennogo veterinarnogo kontrolya (nach.
A. T. Mal'ko) Khar'kovskogo myasokombinata.

(SYSTICERCOSIS)
(KHARKOV--MEAT INDUSTRY--HYGIENIC ASPECTS)

USSR / Human and Animal Physiology. Nervous System. T
Higher Nervous Activity. Behavior.

Abs Jour: Ref Zhur-Biol., No 22, 1958, 102267.

Author : Rogov, A. A.; Robtser, L. A.
Inst : Leningrad State Ped. Institute imeni A. I. Gertsen.
Title : On the Dynamic Stereotype in the Higher Nervous
Activity of Man.

Orig Pub: Uch. zap. Leningr. gos. ped. in-t im. A. I. Gert-
sena, 1957, 140, 67-68.

Abstract: The background plethysmogram and unconditioned
vascular reflexes were studied and a system of
conditioned vascular reactions in practically
healthy people was developed. Sound stimuli -
"differential" and positive - were alternated
after 5 min. A clearly expressed differentiation

Card 1/2

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ROBTSOV, I.A.

Anatomy and diagnosis of mermithid larvae. Zool. zhur. 44 no.5:
660-675 '65. (MIRA 18:6)

1. Zoologicheskii institut AN SSSR, Leningrad.

ROBU, A. I. "Changes in Oxidizing Restorative Processes in Blood-Forming Organs During Radiation Sickness and Its Treatment." Complex treatment of radiation sickness with toad venom, vitamin B 12, and folic acid increased the viability and prolonged the life of white rats irradiated with 300, 700, and 1200 r.

candidate dissertation listed in Sovetskaya radiologiya, no. 1, 1964. The article did not state specifically what degree was awarded. The annotated thesis dealt with studies on radiation physiology, radiation biochemistry, radiation damage and the influence of radiation on regenerative processes, radiation immunology and immunology, and radiation pharmacology.

ROBU, A.I.

Effect of the secretion from the suprascapular glands of toads on the morphological composition of the bone marrow of rats following irradiation not exceeding 300 r. Zdravookhranenie 4 no.6:37-40 (MIRA 15:2)
N-D '61.

1. Iz kafedry patologicheskoy fiziologii (ispolnyayushchiy obyazannosti zaveduyushchego kafedroy - dotsent B.M.Kurtser) Kishinevskogo meditsinskogo instituta.

(TOXINS AND ANTITOXINS) (MARROW)
(X RAYS--PHYSIOLOGICAL EFFECT)

ROBU, A.I.

Change in the oxidation-reduction processes in the hemopoietic
organs in radiation sickness. Zdravookhranenie 3 no.2:56-61
Mr-Apr '60. (MIRA 13:7)

1. Iz kafedry patologicheskoy fiziologii (zav. Ye.P. Kuchinskiy)
Kishinevskogo meditsinskogo instituta.

(OXIDATION, PHYSIOLOGICAL)

(RADIATION SICKNESS)

(HEMOPOIETIC SYSTEM)

AC 60 11

Romania/Atomic and Molecular Physics - Statistical Physics, Thermodynamics, D-3

Abst. Journal: Referat Zhur - Fizika, No 12, 1956, 34351

Author: Robu, I.

Institution: None

Title: On the Theory of Equilibrium and Operation of Hydrocarbons

Original Periodical: Petrol. si. Gaze, 1953, 4, No 1, 12-19; Rumania

Abstract: None

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ROMU, I.

Entrainment of nonideal binary systems by means of inert gas. p. 654.

REVISTA DE CHIMIE. (Ministerul Industriei Petrolului si Chimiei si Asociatia Stiintifica a Inginerilor si Tehnicienilor din Romania) Bucuresti, Romania. Vol. 9, no. 12, Dec. 1958.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 7, July, 1959.

Uncl.

ROBU, I. V.

RUMANIA/Chemical Technology - Chemical Products and Their
Application. Processes and Apparatus of Chemical
Technology.

H-2

Abs Jour : Ref Zhur - Khimiya, No 17, 1958, 57712

Author : Robu I.V.

Inst : -

Title : An Investigation of the Process of Distillation in a
Flow of Inert Gas.

Orig Pub : Studii. Inst petrol si gaze, Bucuresti, 1955, No 1,
3-40.

Abstract : A theoretical analysis of the process of distillation
a in flow of inert gas was carried out, and basic calcu-
lated equations are cited which are compared with the
polyempirical equation of Kremser for the calculation
of the process of steam stripping of volatile compo-
nents of multicomponent mixtures. The equations ob-
tained were used during the processing of the

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- 3 -

Robu, I. V.

A new aspect of the mechanism of fractionation. I. V.
Robu. *Rev. chim.* (Bucharest) 6, 117-24 (1956).
The method of theoretical plates for n-component systems is
discussed in the light of the equil. vaporization principle.
The method is illustrated by calcs. for a 2- and 3-component
system.

Gary Gerard

RM

2

ROBU, I.

Theory of forced differential vaporization of mixtures within components. p. 83

PETROL SI GAZE, Bucuresti, Vol 7, No. 2, Feb., 1956

SO: East European Accessions List (EEAL) Library of Congress, Vol 5, No. 7, July, 1956

Robu; I. V.

✓ An analysis of the method and the design of a double
absorption and desorption column. I. V. Robu. *Petrol*
si Gaze (Bucharest) 7, 182-7(1956)(German summary).
For the recovery of satd. and unsatd. C₃ and C₄ hydrocar-
bons from cracking and oil-field gases, R. recommends a
"rich oil stabilizer" and a double absorption and desorption
column. A recovery of 85-90% of propane is claimed by
this method. A material balance is given. Gary Gerant

jm

COUNTRY: : Rumania H-2
 CATEGORY :
 ABS. JOUR. : RZKhim., No. 5 1960, No. 18115
 AUTHOR : Robu, V. I.
 INST. : Institute for Petroleum and Natural Gas Research
 TITLE : The Theory of 'Differential Extraction' with Im-
 miscible Solvents
 ORIG. PUB. : Lucrarile Inst Petrol si Gaze Bucuresti, 3, 143-
 153 (1957)
 ABSTRACT : A mathematical analysis is given of the process
 of differential extraction; the differential equa-
 tion describing the process is derived and con-
 firmed for the case of linear variations in con-
 centration in both phases.
 Z. Khaimskiy
 CARD: 1/1 (Bucharest)

Robu, I V

RUMANIA/Chemical Technology. Chemical Products and Their
 Application. Part 1. - Processes and Apparatus of
 Chemical Technology. H

Abs Jour: Ref. Zhurnal Khimiya, No 21, 1958, 71076.

Author : I.V. Robu.
 Inst :
 Title : Theory of Extraction Distillation of Immiscible
 Solvents.

Orig Pub: Rev. chim., 1957, 8, No 1, 6-11.

Abstract: The process of extraction distillation, the carrying
 out of which is expedient, if the solubility of the
 extracted substance in the extracting solvent was
 little, is discussed. A differential equation des-
 cribing that process is derived, and the methods of
 its integration are shown. The concept of extraction

Card : 1/2

ROBU, L. V.

Distr: LE3d

Theoretical study of demethanization. L. V. Robu and V. Biella. *Rev. chim. (Bucharest)* 8, 633-40 (1957). The calcn. and design of a double column for the sepn. of CH₄ from cracked petroleum gases are presented. The demethanization is obtained by absorption-fractionation, at 84 atm. abs. (the fat-oil stabilization method) by using cracked debutanized gasoline as absorbent oil. The process can be industrially applied to produce ethylene of 95% purity.

R. M. Staniceanu

JMB JLF

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AUTHOR: Robu I. V. (R. N.R.) SOV/65-58-6-9/13

TITLE: Research in the Field of the Manufacture of Detergents.
(Nauchno-tekhnicheskiye raboty v oblasti proizvedstva moyushchikh sredstv).

PERIODICAL: Khimiya i Tekhnologiya Topliv i Masel, 1958, Nr.6.
pp. 46 - 52. (USSR).

ABSTRACT: Investigations on the manufacture of soap and detergents in Rumania are reviewed. Raw materials for the manufacture of soap include edible and synthetic fatty acids; washing powders are made from ordinary soap or synthetic fatty acids. Detergents are prepared by sulphonating C-12 - C-14 alcohols or monoglycerides. They can also be made from alkylaryl sulphonates which are obtained by chlorinating purified kerosene or by alkylating isobutylene trimers; alkylaryl sulphonates can also be used in a mixture with secondary sulphonated alcohols. Investigations are also carried out on the sulphonation of fatty alcohols, cationic agents and Nekal-like products. Details of laboratory and pilot plant investigations in Bucharest (manufacture of soap and soap powders) and in Timishoara and Ploesti (all types of detergents) as well as recommendations for the construction of plants and optimum process conditions are given. Properties of the

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Research in the Field of the Manufacture of Detergents.

raw materials used as well as details of manufacturing processes are described. Two methods are used for evaluating the properties of detergents: the ASTM and the German Standard DIN 53902-56 for determining foam formation and the stalagmometric method for defining the surface tension. It was found that the most economical detergents are those based on alkylaryl sulphonates - mixed with sulphonated secondary alcohols.

Card 2/2

Country : Rumania B-13
Category : Surface Phenomena. Adsorption.
Chromatography. Ion Exchange.
Abs. Jour. : Ref Zhur-Khimiya, No 6, 1959 18705
Author : Robu, I.V.
Institut. :
Title : On the Mechanism of Chromatography

Orig. Pub. : Rev. chim., 1958, 9, No 4, 186-193

Abstract : On the basis of correlations previously derived (RZhKhim, 1958, 32746, 71076) for processes of differential extraction and absorption, an equation is derived for the chromatography of dilute solutions, which permits to determine parameters of chromatography column by means of a single experimental chromatogram. This equation is confirmed experimentally in the case of partition chromatography with a partition coefficient equal to 1.

Author's summary

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RUM/3-58-12-3/28

On the "Dragging" of Unideal Binary Solution With Inert Gas

ideal systems, the mechanism of "dragging" with inert gas in non-ideal systems will be expressed by a differential equation. In the case of non-ideal system, the situation is more complicated, even in binary mixtures, since the partial pressure of the components is no longer a linear function of the concentration. The activity number of the component is an exponential function of the mole fraction. Based on this assumption, a method for the determination of the inert gas amount, necessary for the "dragging" of a fixed quantity of component in an isothermal condition is given. The drag equations obtained are experimentally verified. There are 10 graphs, and 5 references, 1 of which is American, 3 Rumanian, and 1 Soviet.

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Card 2/2

ROM, C.

Plastics, raw materials for the manufacture of varnishes, paints, and printing inks. p. 396.

REVISTA DE CHIMIE. (Ministerul Industrii Petrolului si Chimiei si Asociatia Stiintifica a Inginerilor si Tehnicienilor din Romania) Bucuresti. Rumanie. Vol. 10, no. 7, July 1959.

Monthly list of East European Accessions (EEA) LC, Vol. 9, no. 1, January 1960.

Encl.

ROMANIA

ROBU, V., Eng of the Cobadin State Farm (Gospodaria
Agricola de Stat Gobadin).

"How Early Births Were Prepared at the Cobadin State Farm."

Bucharest, Revista de Zootehnie si Medecina Veterinara,
Vol 13, No 2, Feb 1963, pp 46-49.

Abstract: Describes the experiences of this state farm
in its program for early births of sheep, and the effect
of the technique with regard to increasing the stock
and economic wealth of the farm.

+includes 2 tables.

L1/1

ROBU, V. I.

Separation by fractionation of binary systems formed by
components with low mutual solubility. Bul Inst Petrol
Rum 9: 91-102 '63.

ROBU, V.I., dr. ing.; TARAN, G., ing.; STRATULA, G., ing.

Desulfurization of refinery gases. Petrol si gaze 14, no. 10:
503-508 0'63.

ROBU, I. V.

Effect of inert gas in differential (Batch) distillation.
Rev chimie 7 no. 1: 481-489 '62.

1. Institute for Oil, Gas and Geology Bucharest.

ZHDUN', A. Ye., inzh.; LITOVSELY, Yu.A., inzh.; ROMUK, N.N., inzh.

Water hammer from the returning wave in hydraulic turbine
installations. *Energomashinstroenie* 6 no.2:11-15 F '60.
(MIRA 17:5)

(Hydraulic turbines)

ROBUK, N.N., inzh.

Construction of hydraulic turbines in the S.M.Kirov Turbogenerator
Plant in M. rkov. Energomashinstroenie 11 no.3:15-18 M. '65.
(MIRA 18:6)

ROBUK, N.N., inzh.; PUPKO, T.Ye., inzh.; RIVLIN, M.I., inzh.

Determination of rated conditions for the choice of the oil
pressure systems of hydraulic turbines. Energomashinostroenie
9 no.10:11-12 0 '63. (MIRA 16:10)

ROBUK, N.N., inzh.; KRAVTSOV, V.G., inzh.

New constructional decisions in the hydraulic turbine equipment
of the Dneprodzerzhinsk Hydroelectric Power Station. Elek.sta. 33
no.2:32-36 F'62. (MIRA 15:3)
(Dneprodzerzhinsk Hydroelectric Power Station)
(Hydraulic turbines)

ROBUK, N.N., inz.; RIVLIN, M.I., inzh.

New design of servomotors for the distributor of hydraulic
turbines. Energomashinostroenie 7 no.10:37-39 0 '61.
(MIRA 14:10)
(Servomechanisms) (Hydraulic turbines--Design and construction)

S/114/60/000/002/002/007
E194/E155

AUTHORS: Zhmud', A.Ye., Engineer; Litovskiy, Yu.A., Engineer;
and Robuk, N.N., Engineer

TITLE: Hydraulic Shock Due to the Return Wave in Water-Turbine
Installations

PERIODICAL: Energomashinostroyeniye, 1960, No. 2, pp. 11-15

TEXT: An accident occurred to an adjustable-blade water turbine of the following characteristics: runner diameter 8 m, output 51 800 kW, head 13.8 m, and speed 62.5 r.p.m. The set had been running for about 3000 hours, during which load had been thrown off 7 times on fault and 5 times for test purposes. The tests were made to check the guaranteed performance of the governor, which operated reliably. There were no excessive pressures in the scroll case or other signs of excessive shock loading. The accident occurred during an experimental throwing-off of load intended to test the operation of the automatic repeated reclosure system of the set in case it became disconnected from the system. Loads of 47 and 50 MW were thrown off and the accident occurred whilst a load of 46 MW was being thrown off. When the

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Hydraulic Shock Due to the Return Wave in Water-Turbine
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test was made the guide vanes were full open (1130 mm travel) and the runner blades were turned through 25°. After load was dropped the guide vanes began to close, and apparently closed completely. Six seconds after load was dropped the turbine made knocking sounds and there was sparking on the exciter commutator. The water at the head race rose by 2 m as against 0.6 m in the previous tests. As synchronous speed was reached the machine was automatically connected to the system; further knocking noises were heard. The turbine was shut down and the following damage was found. Three blades were broken off the runner, in two cases taking the blade-adjusting mechanism with them; four of the guide blades were missing; considerable other damage was apparent, including damage to the turbine cover; the lower support (of the generator) was displaced and cracks had appeared in the welds; and the generator brushes were damaged. It was evident that a considerable impact load had been applied to the runner from below. It had broken off the runner blades and thrown them upwards into the guide vanes. V

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Installations

The immediate cause was hydraulic shock due to the return wave, which has been described in the book by A.Ye. Zhmud' entitled 'Hydraulic Shock in Water Turbine Installations', Energoizdat, 1953. Briefly the cause is as follows. If when the turbine is shut down for any reason the flow of water from the guide vanes is interrupted, the water at first flows away from the runner. Then, under the influence of atmospheric pressure and back-pressure from the tail race, it flows back and is suddenly arrested as it hits the bottom of the runner. The hydraulic shock so developed increases the pressure under the runner, thus causing the damage. The conditions under which flow interruption can occur are then outlined. Methods of estimating the pressure increase are discussed and it is shown that the return wave can easily cause severe damage. The rate of propagation of the shock wave depends on the operation of the vacuum-breaking valve. If the valve is open, the air saturates and gasifies the flow of water. This creates an emulsion, which reduces the speed of propagation of the



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S/114/60/000/002/002/007
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Hydraulic Shock Due to the Return Wave in Water-Turbine
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shock waves but extends their duration. The speed with which the water rises from below towards the runner depends on the height of the tail race; on the back-pressure upon the runner; and on the distance through which the water had succeeded in passing beyond the runner. If the guide vanes close quickly and cut off the flow suddenly, the effect is more severe. After the wave has hit the runner its speed depends on the hydraulic resistance of the runner. The resistance will be high if the runner blades are nearly closed and the set speed is low. All the indications were that the failure had been caused by a shock wave of this kind. After the accident special tests were made on a similar set in the power station. Curves were taken of turbine output and vacuum under the runner as functions of the travel of the piston of the guide vane servo-motor. It was found that as the guide vanes opened the turbine output reached the maximum of 53 MW with a piston travel of 1000 mm, but further opening reduced the output. At the maximum piston travel of 1130 mm the output became 45 MW. As the opening

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Hydraulic Shock Due to the Return Wave in Water-Turbine
Installations

of the guide vanes was increased the vacuum under the runner increased until, at a servo-motor piston travel of 1050 mm, it was almost complete vacuum. The tests showed why the flow of water was interrupted in the turbine when 46 MW load was thrown off. All the previous tests of throwing-off load had been carried out with shorter travel of the servo-motor piston than in the case of failure, where it was open to 1130 mm. As a result of the investigations the following two steps were taken to prevent possible recurrences of similar damage: on all the turbines the maximum travel of the guide-vane servo-motor piston was limited to 1000 mm, at which setting the vacuum under the runner under steady-state conditions does not exceed 8 m water; the times of closing of the guide vanes and the runner blades were increased to 10-14 sec and 40-50 sec respectively, which is quite permissible in this case. After these steps had been taken special tests of throwing-off load were made on one of the sets and no untoward effects were observed. It is concluded that, in general, the amount

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Hydraulic Shock Due to the Return Wave in Water-Turbine Installations

that the guide vanes can be opened should be restricted in accordance with the limiting power and permissible vacuum. However, the vacuum depends not only on the extent of opening of the guide vanes but also on the head and on the height of the draught tube. Thus it is important, particularly on automatically-controlled stations, to have an electrical contact vacuum meter to give a warning when the vacuum is becoming excessive. In many adjustable-blade turbines a higher speed increases the amount of water that can flow through, which can increase the vacuum under runaway conditions. This should be allowed for in selecting the time of closing-down the turbine. There are 6 figures.

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ROBUK, N.N., inzhener; MELOVTSOV, A.A., inzhener.

Welded and welded-cast stators for hydraulic turbines manufactured by
the Kharkov (S.M.Kirov) Turbine Plant. Energomashinostroyeniye no.6:20-
22 Je '56. (Hydraulic turbines) (MLRA 9:9)

SOV-107-58-4-11/57

AUTHOR: Rebul, B. Chairman of the Council; Kireyev, O. Chairman of the SW and VHF Sections

TITLE: "Radio's" Drive (Reyd zhurnala "Radio"); Village Radio Amateurs of the Donbass (Sel'skiye radiolyubiteli Donbassa)

PERIODICAL: Radio, 1958, Nr 4, pp 8-9 (USSR)

ABSTRACT: The council of the Stalino oblast radio club decided to join with the journal "Radio" in its mass campaign to help village radio amateurs and to found radio clubs in village club, collective farm palaces of culture and village secondary schools. The work and problems of a typical radio club in the Selidovskiy rayon is described. There are 3 photos.

ASSOCIATION: Stalinskiy oblastnoy radioklub DOSAAF (DOSAAF Radio Club of the Stalino Oblast)

1. Radio--USSR 2. Radio operators--Training

Card 1/1

05398
SOV/107-59-8-18/49

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AUTHOR: Robul, B., Chairman

TITLE: To New Successes

PERIODICAL: Radio, 1959, Nr 8, pp 23 - 24 (USSR)

ABSTRACT: The author reports on the development and activities of radio amateur clubs in the Donbas area. In Stalinskaya oblast', there are 44 radio clubs. The activities of the radio clubs at the plants "Azovstal'", Yenakiyevskiy metallurgicheskiy zavod (Yenakiyevo Metallurgical Plant), Novo-Kramatorskiy mashinostroitel'nyy zavod imeni Stalina (Novo-Kramatorsk Machine Building Plant imeni Stalin), Toretskiy mashinostroitel'nyy zavod (Toretskiy machine Building Plant), Khartsyzskiy staleprovolochnyy zavod (Khartsyzsk Steel Wire Plant) and at the coal mine "Kapital'naya" are mentioned for their successful activities. Radio amateurs working at the afore-

Card 1/2

ROBUL, B.; FEKIUSIN, V. (UB5B0)

Stalino tells its story. Radio no.7:10-12 J1 '60.

(MIRA 13:7)

1. Chlen prezidiuma Federatsii radioporta USSR, predsedatel'
Stalinskoy oblastnoy seksii radioporta (for Robul). 2. Predse-
datel' seksii korotkikh voln i ul'tra korotkikh voln Stalins-
kogo radiokluba (for Feklushin).

(Donets Basin--Radio)

ROBUL, B.

School of radioelectronics. Radio no.5:13 My '61. (MIRA 14:7)

1. Predsedatel' byuro soveta oblastnoy seksii radiosporta,
g. Stalino.

(Radio)

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ROBUL, B.; ANDRONOVICH, N.

Graduates of a school of radio electronics. Radio no. 10:7 0 '61.
(MIRA 14:10)

1. Nachal'nik Stalinskoy oblastnoy shkoly radioelektroniki (for
Robul).

(Radio)

KRENKEL', E., Geroy Sovetskogo Soyuz; VISHNEVETSKIY, F.; TARIVERDIYEV, D.,
land. tekhn. nauk; KARAYANIY, V.; TOVMASYAN, L., nauchnyy rabotnik
(Yerevan); ROBUL, B.; VOZNYUK, V.; YEREMIN, N., radiolyubitel'
(Moskva); MATLIN, S., inzh.; BORNOVOLOKOV, E., inzh.; GONCHAROV, V.;
GRIF, A.; MSTISLAVSKIY, A.

Works and needs of radio amateurs. Radio no.7:1-3 '64.

(MIRA 18:1)

1. Predsedatel' prezidiuma Federatsii radiosporta SSSR (for Krenkel').
2. Glavnyy redaktor zhurnala "Radio" (for Vishnevetskiy).
3. Chlen
Bakinskogo radio-kluba (for Tariverdiyev).
4. Predsedatel' L'vovskoy
oblastnoy seksii radiosporta (for Karayaniy).
5. Nachal'nik Donetskoy
shkoly radioelektroniki (for Robul).
6. Predsedatel' soveta Novo-
sibirskogo oblastnogo radiokluba (for Voznyuk).
7. Spetsial'nyy
korrespondent "Pravdy" (for Goncharov).
8. Spetsial'nyye korrespondenty
zhurnala "Radio" (for Grif, Mstislavskiy).

ROBUL, B.

The miners are acquiring an understanding of electronics.
Radio no.7:7-8 JI '63. (MIRA 16:7)

1. Nachal'nik Donetskoy oblastnoy shkoly radioelektroniki
Dobrovol'nogo obshchestva sodeystviya armii, aviatsii i flotu.
(Radio clubs)

ROBULETS, N.Ye.

From sledge hammer to automatic equipment. Put' 1 put. khoz. no.3:
19-21 Mr '57. (MLRA 10:5)
(Railroads--Tools and implements)

ANGIELSKI, S.; ROBULSKI, J.

Effect of maleic acid on the kidney. I. Oxidation of Krebs cycle intermediates by various tissues of maleate-intoxicated rats. Acta biochim. pol. 9 no.4:357-365 '62.

1. Institute of Biochemistry and Biophysics, Polish Academy of Sciences, and Department of Physiological Chemistry, Medical School, Gdansk.

(MALEATES)	(KREBS CYCLE)	(KIDNEY)
(MYOCARDIUM)	(BRAIN)	(LIVER)

1. Radulesku, Al., Akad.; ROBUNESKU, N.

Acrylic arthroplasty in arthrotic hallux valgus; Radulesku's method. Khirurgiia, Sofia 9 no.9:776-782 1956.

1. Institut za spetsializatsiia na lekarite--bukureshch.
Direktor: akademik Al. Radulesku.

(HALLUX, abnormalities,
valgus, acrylic arthroplasty (Bul))
(ACRYLIC RESINS,
hallux valgus arthroplasty (Bul))

ASHKENAZI, Yelena Konstantinovna, kand.tekhn.nauk. Prinimali uchastiye:
POZDNYAKOV, A.A., inzh.; KRAVTSOV, B.A., inzh.; KACHESOV, A.N., inzh.;
BUROV, M., student; ZVEREV, N., student; RAZUVAYEV, V., student;
ROBUSH, O., student; SAMSONOVA, Ye., student. KUSHNELV, N.G., red.;
GVIRTS, V.L., red.izd-va

[Anisotropy of mechanical properties of some glass plastics; verbatim
report of a lecture] Anizotropiia mekhanicheskikh svoistv neko-
torykh stekloplastikov; stenogramma lektsii. Leningrad, Leningr.
Dom nauchno-tekhn.propagandy, 1961. 62 p. (MIRA 14:12)
(Anisotropy) (Glass reinforced plastics)

KUZMICHEV, M., inzh.; ROBUSTOV, A., inzh.

Output increased twice. Izobr. i rats. no. 8:32 Ag '58. (MIRA 11:9)

1. Proizvodstvenno-tekhnicheskiy otdel Dnepropetrovskogo sovnarkhoza.
(Limekilns)

ROBUSTOV, A.

Conference of efficiency workers employed by Ukrainian iron and steel metallurgical plants. Metallurg no.10:39 0 '56. (MLBA 9:11)

1. Tekhnicheskiiy otdel GUMZ Ministerstva chernoy metallurgii USSR.
(Metallurgical plants)

LYUBCHENKO, N.; NIKONOV, M.; BELYI, M.; YAKOBSON, V., inzh.po
ratsionalizatsii; KUZ'MICHEV, M., inzh.; ROBUSTOV, A., inzh.

From letters. Izobr.i rats. no.10:33-34 0 '59.
(MIRA 13:2)

1. Instruktor TSentral'nogo komiteta profsoyuza rabochikh
stroitel'stva i promstroymaterialov Sverdlovskogo sovnarkhoza
(for Nikonov). 2. Predsedatel' soveta Vsesoyuznogo obshchestva
izobretateley i ratsionalizatorov Saratovskogo industrial'nogo
tekhnikuma (for Belyi). 3. Dolinskiy tsellyulozno-bumazhnyy
kombinat, g.Dolinsk, Sakhalinskoy oblasti (for Yakobson).
4. Proizvodstvenno-tekhnicheskiy otdel sovnarkhoza g.Dnepropetrovsk
(for Kuz'michev, Robustov).
(Shanghai--Technological innovations)

SIDORUK, S.; ROBUSTOV, A.; KUZ'MICHEV, M.

We are changing to a system of management without workshops. Sots.
trud 5 no.8:128-130 Ag '60. (MIRA 13:11)

1. Nachal'nik otдела truda i zarabotnov platy Severo-Kazakhstanskogo
sovnarkhoza (for Sidoruk). 2. Dnepropetrovskiy sovnarkhoz (for
Robustov, Kuz'michev).

(North Kazakhstan--Economic region--Industrial management)
(Dnepropetrovsk--Machinery industry)

ROBUSTOV, A.; KUZ'MICHEV, M.

Do not give the wrong address. Izobr.i rats. no.12:10-11 D '60.
(MIRA 13:12)

1. Sotrudnik Proizvodstvenno-tekhnicheskogo otdela Dnepropetrovskogo
sovnarkhoza.
(Dnepropetrovsk--Technological innovations)

TONKONOG, G.V.; ARIST, L.M.; ROBLATOV, A.M.; KUTNER, M.B.; PODKAMOR, N.M.,
LITVINENKO, V.I.; GORODETSKIY, A.N.; SICHERNIK, A.I.; MAMENKO, V.V.

Mechanization operations in the casting house and at the hearth
of large-capacity blast furnaces. Stal' 28 no.2:102-107 F '65.
(MIRA 18:3)

LITVINENKO, V.I.; KUTNER, M.B.; PODKANTOR, N.N.; ROBUSTOV, A.M.; ARIST, L.M.

Single lip pouring of pig iron and slag at blast furnaces.
Met. i gornorud. prom. no.1:58-59 Ja-F '65. (MIRA 18:3)

ELTVINENKO, V.I.; ROBUSTOV, A.M.; ARIST, L.M.

Mechanization of hearth operations in a blast furnace with a
2,300 M^3 capacity. Met. i gornorud. prom. no.3:3-4 My-Je '65.
(MIRA 18:11)

ARIST, L.M.; ROBUSTOV, A.M.; PODKANTOR, N.N.; BOLKUNOV, Ye.F.

Recovery of cast iron from the blast furnace slag in the
Ukraine. Met. i gornorud. prom. no.4:8-9 JI-Ag '65.
(MIRA 18:10)

LITVINENKO, V.I.; ROBUSTOV, A.M.; ARIST, L.M.; SHCHERBIN, A.I.

Machine for opening the cast iron tapping hole of a blast
furnace. Met. i gornorud. prom. no.2:70-72 Mr-Ap '65.
(MIRA 18:5)

LITVINENKO, V.I.; MOISEYEV, Yu.G.; ARIST, L.M.; ROBUSTOV, A.M.

Use of large diameter blast furnaces at the Il'ich Plant.

Metallurg 10 no.5:4-8 My '65.

(MIRA 18:6)

ReBuster, A.M

PLANNING IN THE ECONOMY 85/1944

Specialization i kooperativnoye proizvozhdenii; opyt raboty sovetskikh
[Specialization and Cooperation in Industry: Operating Experience of Councils
of National Economy] Moscow, Gosplanizdat, 1960. 255 p. 5,000 copies printed.

Gen. Ed.: S. I. Medin; Eds.: Ye. I. Komarov, and I. S. Maklakov; Tech. Ed.: Ye. S.
Gerasimova.

PURPOSE: This book is intended for persons working on practical problems of
specialization and cooperation within the industry of individual economic
regions.

CONTENTS: The book presents problems of development of specialization and co-
operation within industry in Leningrad, Novosibirsk, Khar'kov, Dnepropetrovsk,
Krasnoyarsk, Kuznetsk, and other Administrative Economic Regions in 1954-1965. This
book is the first attempt to describe the experience of individual National
Economic Councils. No personalities are mentioned. There are no references.

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Development and specialization of establishments	77
Cooperative supplies	82
New equipment	85
Prospective development of the chemical industry	92
Simplification of the administrative structure of establishments	94
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Ch. IV. Problems of the Material Technical Supply and Specializa- tion of Production (from the experience of the Council of the Council of National Economy) Author: N. G. Zhuravskiy	121
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Ch. V. Problems Connected With the Organization and Planning of Production. Author: Chairman of the Council of the East-Frankfurt Council of National Economy L. N. Shchegolev	169
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AVAILABILITY: Library of Congress

REBUSTON, R.M.

PHASE I BOOK EXPLOITATION

SOV/4644

-- Spetsializatsiya i kooperirovaniye promyshlennosti; opyt raboty sovmarkhozov
(Specialization and Cooperation in Industry; Operating Experience of Councils
of National Economy) Moscow, Gosplanizdat, 1960. 253 p. 5,000 copies printed.

Gen. Ed.: S. I. Semin; Eds.: Ye. I. Komarov, and I. S. Maksimov; Tech. Ed.: Ye. S.
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~~Card 1/5~~

Specialization and Cooperation (Cont.)

SOV/4644

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Ch. III. Specialization and Cooperation of Enterprises in Dnepropetrovsk Economic Administrative Region. Authors: D. G. Ignatenko and A. M. Robustov	99
Ch. IV. Problems of the Material Technical Supply and Specializ- ation of Production (From the Experience of the Kherson Council of National Economy) Author: Vice Chairman of the Council of National Economy V. P. Goretskiy	121

Card 3/5

KUZNETSOV, M.V.; ROBUKOV, A.M.

Competition of young efficiency promoters in the Dnepropetrovsk
Economic Council. Izobr. i rats. no.6:41 Ja '58. (MIRA 11:9)
(Dnepropetrovsk--Efficiency, Industrial)

KUZMICHEN, M.V.; ROMUSOV, A.M.

In the enterprises of the Dnepropetrovsk Economic Council. Izhor.
i. russ. 3 no. 4:45-46 Ap '58. (MIRA 11:7)
(Dnepropetrovsk Province--Efficiency, Industrial)

Robustov, A. M.

✓ Quality of Metallurgical Production in Southern Works.
A. M. Robustov and G. A. Olesin. (Stat. 1953, 71-830-838).
[In Russian]. After a general comparison of the quality of
iron and steel production in works in the Ukraine region with
that in other localities, blast-furnace, steel-making and rolling
mill practices are considered. — S. K.

metal

2

ROBUSTOW, A.M., inzhener; OLESIN, G.A., inzhener

Problem of quality steel industry output in southern plants.
Stal' 15 no.7:656-658 J1 '55. (MIRA 8:9)
(Russia, Southern--Steel industry)

KUTNER, M.B.; PODKANTOR, N.N.; GORODETSKIY, A.N.; ROBUSTOV, A.M.;
ARIST, L.M.

Mechanization of auxiliary sections in blast furnace practice.
Met. i gornorud. prom. no. 2:18-19 Mr-Ap '64. (MIRA 17:9)

ROBUNTOV, G. V.

"Prophylaxis of Latent Neurosyphilis," Sov. Med., No. 5, 1949. Moscow, -c1949-.

ROBUSTOV, G.V.

Paratherapeutic neuroinfections in early syphilis. Vest. vener.,
Moskva no. 4:32-35 July-Aug 1952. (CIAL 23:3)

1. Of the Department of Syphilology (Head -- Prof. N. S. Smelov),
Central Skin Venereological Institute (Director -- Candidate Medical
Sciences N. M. Turanov), Ministry of Public Health USSR.

PASHKOV, B.M.; KARACHEVTSEVA, V.N.; ROBUSTOV, G.V.; KHAMAGANOVA, A.V.; ANDROSOVA, A.A.; BELYAKOVA, A.G.; GENKINA, G.B.; ZATURENSKAYA, P.O.; VYMEKAYEVA, M.A.; GOL'DENBERG, M.M.; BOLDYREVA, A.M.

Results of the treatment of syphilis in children according to standards of the Ministry of Health of USSR. Vest. vener., Moskva no.2:28-34 (CIML 24:3)
Mar-Apr 1953.

1. Pashkov, Karachevtseva, Robustov, and Khamaganova of Central Dermato-Venereological Institute (Director -- Candidate Medical Sciences N. M. Turanov); Androsova, Belyakova, Genkina, and Zaturenskaya of Hospital imeni Korolenko; Vymekayeva and Gol'denberg of Second Moscow Venereal Dispensary (Head -- Candidate Medical Sciences V. G. Bronshteyn); and Boldyreva of First Venereal Dispensary (Head -- K. A. Vinogradova).

ROBUSTOV, G.V. (Moscow).

Neural and psychic disturbances in early syphilis. Zhur.nevr.i psikh. 53
no.8:607-616 Ag '53. (MIRA 6:9)
(Syphilis)

MASLOV, P.Ye.; ROBUSTOV, G.V.; TURANOV, N.M.

Prevention, symptoms, and treatment of syphilis of the nervous system.
Vest.ven. i derm. 30 no.5:37-42 S-0 '56. (MLRA 9:12)

1. Iz otdela sifilidologii (zav. - prof. M.A.Rozentul') Tsentral'nogo
kozhno-venerologicheskogo instituta (dir. - kandidat meditsinskikh
nauk N.M.Turanov) Ministerstva zdravookhraneniya RSFSR.
(NEUROSYPHILIS, prev. and control)

ROBUSTOV, G.V.; STUDNITSIN, A.A.

Evolution and the present course of syphilis and neurosyphilis.
Vest. dermat. i ven. 38 no.9:3-7 S '64. (MIRA 18:4)

1. Tsentral'nyy kozhno-venerologicheskii institut (dir. - dotsent N.M.Turanov, zamestitel' direktora po nauchnoy chasti - prof. A.A.Studnitsin) Ministerstva zdravookhraneniya SSSR, Moskva.

ROBUSTOV, G. V.

Problems in the treatment of neurosyphilis. Vest. derm. i ven.
36 no.6:36-40 Je '62. (MIRA 15:6)

(NERVOUS SYSTEM—SYPHILIS)

ROBUSTOV, G. V.

Problems in the pathogenesis, clinical aspects and treatment of
parenchymatous keratitis in late congenital syphilis and primary
(tabetic) atrophy of the optic nerves. Vest. dermat. i ven. no. 2:
57-61 '62. (MIRA 15:2)

1. Iz otdela sifilidologii (zav. - prof. M. A. Rozentul) TSEN-
tral'nogo nauchno-issledovatel'skogo kozhno-venerologicheskogo
instituta (dir. - kandidat meditsinskikh nauk N. M. Turanov)
Ministerstva zdravookhraneniya RSFSR.

(CORNEA--SYPHILIS) (OPTIC NERVE--SYPHILIS)

ROBUSTOV, G.V.

ROZENTUL, M.A., prof.; VASIL'YEV, T.V., kand.med.nauk; MASLOV, P.Ye., kand.med.nauk; ROBUSTOV, G.V., kand.med.nauk; SOKOLIN, A.I., kand.med.nauk; RAKHMANOVA, H.V., nauchnyy sotrudnik; KHAMAGANOVA, A.V., nauchnyy sotrudnik; PETRUSHEVSKIY, S.I., vrach; TUNGUSKOVA, A.P., vrach; VELICHKO, E.V., vrach; GLOBUS, R.E., vrach; GOL'DENBERG, M.M., vrach.

Combined treatment of syphilis with several antibiotics [with summary in English]. Vest.derm. i ven. 32 no.1:42-47 Ja-F '58. (MIRA 11:4)

1. Iz otdela sifilidologii (zav.-prof. M.A.Rozentul) Tsentral'nogo kozhno-venerologicheskogo instituta (dir.-kandidat meditsinskikh nauk N.M.Turanov) Ministerstva zdravookhraneniya RSFSR. 2. Bol'nitsa imeni Korolenko (for Petrushevskiy)

(SYPHILIS, ther.

antibiotics in combination (Rus)

(ANTIBIOTICS, ther. use

syphilis, combined antibiotics (Rus)

KORCHUGANOV, M.A.; ROBUSTOV, V.M.

Assembly line method of casting centrifugal pump impellers in
shell molds made of mixtures with liquid sodium silicate. Lit.
proizv. no.3:7-10 Mr '58. (MIRA 11:4)
(Shell molding (Founding))
(Founding)

PANIKAROVSKIY, V.V., starshiy nauchnyy sotrudnik; ROBUSTOVA, T.G., assistant

Pathomorphology of actinomycosis of the jaw bones. Teor. i prak.
stom. no.6:48-54 '63. (MIRA 18:3)

1. Iz kafedry propedevtiki khirurgicheskoy stomatologii (zav. - prof.
G.A.Vasil'yev) i nauchno-issledovatel'skoy laboratorii (zav. -
starshiy nauchnyy sotrudnik A.A.Prokhorchukov) Moskovskogo medi-
tsinskogo stomatologicheskogo instituta.

ROBUSTOVA, T.G.

Immunotherapy of actinomycosis of the maxillofacial region and
neck. Stomatologiya 35 no.6:34-38 N-D '56 (MLRA 10:4)

1. Iz kafedry propedevtiki khirurgicheskoy stomatologii (zav.-dotsent
G.A. Vasil'yev) Moskovskogo meditsinskogo stomatologicheskogo
instituta (dir.-dotsent G.N. Beletskiy)
(ACTINOMYCOSIS)

ROBUSTOV, G. V.

The Prophylaxis, Early Detection, and Therapy of Patients with Syphilis of the
Nervous System," p. 76

Handbook on the Organization of the Control of Venereal and Infectious Skin
Diseases, Moscow, Medgiz, 1957 edited by N.M. Turanov and A.A. Studnitsin

ROBYSHEV, A.I.

At the Leningrad Metal Works. Mashinostroitel' no.11:14 N '58.
(MIRA 11:12)

(Leningrad--Metalwork

AUTHOR: Robyshev, A.I. SOV/117-58-11-12/36

TITLE: In the Leningrad Metal Plant (Na Leningradskom metallicheskom zavode)

PERIODICAL: Mashinostroitel', 1959, Nr 11, p 14 (USSR)

ABSTRACT: In the workshop Nr 1, highpower turbines are assembled and fitted with blades. A.K. Belyakov is a worker of technical control and checks the finished production. There is 1 photo.

1. Turbines---Production 2. Personnel---Performance

Card 1/1

KOZLOVA, Ye.I., ROBYSHEVA, Z.N.

Data on the carbon and nitrogen metabolism of *Pseudomonas*
boreopolis and *Bac.asterosporus* and their effect on the
growth of oak seedlings [with summary in English]. *Mikrobiologia*
27 no.5:570-576 S-O '58 (MIRA 11:12)

1. Biologo-pochvennyy fakul'tet imeni M.V. Lomonosova Moskovskogo
gosudarstvennogo universiteta:
(RHIZOSPHERE MICROBIOLOGY)
(OAK)

OKSENT'YAN, U.G.; FEDOTINA, V.L.; ROBYISHEVA, Z.N.

Change in the properties of *Pseudomonas fluorescens* under the influence of plants. Agrobiologiya no.1:56-62 Ja-F '65. (MIRA 18:4)

1. Moskovskoye otdeleniye Vsesoyuznogo nauchno-issledovatel'skogo instituta sel'skokhozyaystvennoy mikrobiologii.

RUMANIA

GHERMAN, I., Dr; ROCCA, Charlotte, Dr.

Section of Clinical Parasitology of the 23 August
Hospital and Children's House No 2 (Sectia de par-
azitologie clinica a Spitalului "23 August" si
Casa copilului nr. 2) - (for all)

Bucharest, Igiena, No 5, 1963, pp 397-406

"The Prophylaxis of Intestinal Parasitoses in Chil-
dren's Collectives."

(2)

ROCCO, Davor, inz.

Decay and protection of shipbuilding wood. Brodogradnja 6 no.4:166-172
'55.

ROCCO, Fedor, dipl. ekon. (Zagreb, Proleterskih brigada 35)

Marketing research and an enterprise. Tekhnika Jug 17
no.12:2402-2405 D '62.

1. Visi savjetnik Ekonomsko-tehnickog centra, rukovodilac
Biroa za istrazivanje trzista (Zagreb).

ROCEK, BOHUSLAV.

Telefonni pristroje. (Vyd. 1.) Praha, Technicko-vedecke vydavatelstvi, 1952.
135 p.
(Telephone apparatus. 1st ed. diagrs.)

SO: Monthly List of East European Accessions. (EEAL) LC. Vol. 6, No. 6,
June 1957. Uncl.

ROCEK, I.

"Digital calculation methods for nuclear reactors" by G.J.
Marcuk [Marchuk, G.I.]. Reviewed by I.Roczek. Jaderna energie
8 no.12:451-452 '62.

1960, 4.

"Activity of certain mineral acids in acetic acid; function of acidity (H_0)."
p. 720.

Institute of Applied Physics, (Czechoslovak Academy of Sciences.) Vol. 31, no. 5,
May 1950

^{EAST}
SO: Monthly Index of European Accession (MLAI) LC, Vol. 7, No. 5 May 1950

PCCEK, J.

"Oxidation with chromium (VI) oxide. IV. quantitative study of the acid-catalyzed oxidation of methylcyclohexane. V. Oxidation of cyclohexane and -heptane."

p. 1509 (Collection of Czechoslovak Chemical Communications. Praha, Czechoslovakia.)

Monthly Index of East European Accessions (EEAI) LC. Vol. 22, no. 5, Oct, 1957

HOCEK, J.

Economical drainage of steam piping at high pressures.

1. ST, (Strojirenstvi) Vol. 7, No. 7, July 1957, Praha, Czechoslovakia

SC: Monthly Index of East European Accessions (ELAI) Vol. 6, No. 11 November 1957